



ZEISS Lens Wipes

Safety Data Sheet

According to the Department of Environment and Natural Resources EMB Memorandum Circular No. 2015-011
Guidance Manual for DAO 2015-09
Date of issue: 3/15/2019 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Name : ZEISS Lens Wipes

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaner

1.4. Supplier's details

Manufacturer

Carl Zeiss Vision GmbH

Turnstraße 27

73430 Aalen - Germany

T 49-7361-591-0

info.Lenscleaning@zeiss.com - www.zeiss.de/bessersehen

1.5. Emergency telephone number

Emergency number : +63 2 5533367

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not subject

2.2. Label elements

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : None to our knowledge

SECTION 3: Composition / information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-PH classification
Glutaral	(CAS-No.) 111-30-8	0.0001 - 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Inhalation), H330 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Magnesium nitrate	(CAS-No.) 10377-60-3	0.001 - 0.015	Ox. Liq. 2, H272
3-iodo-2-propynyl butylcarbamate	(CAS-No.) 55406-53-6	0.001 - 0.007	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1)	(CAS-No.) 55965-84-9	0.0001 - 0.0012	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move the affected person to the fresh air. In case of troubles : Obtain medical attention.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. In case of redness or irritation, call a doctor.

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First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.

First-aid measures after ingestion : Do not induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Sensitive people may develop an allergic reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : If there is a fire close by, use suitable extinguishing agents.

5.2. Special hazards arising from the substance or mixture

Reactivity : None to our knowledge.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not discharge the product into the environment. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

For containment : Mechanically recover the product.

Methods for cleaning up : Wash contaminated area with large amounts of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes.

Hygiene measures : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product. Keep away from food, drink and animal feeding stuffs.

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

No additional information available

8.4. Personal protective equipment

Hand protection:

Not required for normal conditions of use

Eye protection:

Not required for normal conditions of use

Skin and body protection:

Not required for normal conditions of use

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Respiratory protection:

Not required for normal conditions of use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Soaked wipe.
Colour	: Colourless
Odour	: Odourless.
Odour threshold	: No data available
pH	: 5 - 8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: > 93 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: None to our knowledge
Chemical stability	: Stable at ambient temperature and under normal conditions of use
Possibility of hazardous reactions	: None to our knowledge
Conditions to avoid	: None to our knowledge
Incompatible materials	: None to our knowledge
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1. Acute toxicity

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1) (55965-84-9)

LD50 oral rat	66 mg/kg (OECD 401 method)
LD50 dermal rat	> 1000 mg/kg (OECD 402 method)
LD50 dermal rabbit	660 mg/kg (Published data)
LC50 inhalation rat	0.22 - 0.67 mg/l/4h (OECD 403 method)

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Glutaral (111-30-8)	
LD50 oral rat	77 mg/kg (female) (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg

3-iodo-2-propynyl butylcarbamate (55406-53-6)	
LD50 oral rat	1056 mg/kg (OECD 401 method)
LD50 dermal rabbit	2000 mg/kg (EPA OPP 81-2)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 6.89 mg/l/4h (OECD 403 method)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 5 - 8
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Ecotoxicity

Acute aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1) (55965-84-9)

LC50 fish	0.19 mg/l/96h (Oncorhynchus mykiss) (EPA OPP 72-1)
EC50 Daphnia	0.099 mg/l/48 h (Daphnia magna) (OECD 202 method)
ErC50 (algae)	0.019 mg/l/72 h (Skeletonema costatum) (OECD 201 method)
NOEC chronic fish	0.13 mg/l (Oncorhynchus mykiss, 96h) (EPA OPP 72-1)

3-iodo-2-propynyl butylcarbamate (55406-53-6)	
LC50 fish	0.41 mg/l/96h (Cyprinodon variegatus)
EC50 Daphnia	0.645 mg/l/48 h (Daphnia magna) (EPA OPP 72-2)
ErC50 (algae)	0.053 mg/l/72 h (Desmodesmus subspicatus) (OECD 201 method)
NOEC (chronic)	49.9 µg/l (Daphnia magna, 21d)(OECD 202 method)
NOEC chronic fish	8.4 µg/l (Pimephales promelas, 35d)
NOEC chronic crustacea	0.0499 mg/l/ 21 days (Daphnia magna) (EPA OPP 72-4)
NOEC chronic algae	0.0046 mg/l/72 h (Desmodesmus subspicatus)(OECD 201 method)

12.2. Persistence and degradability

ZEISS Lens Wipes	
Persistence and degradability	No additional information available
Glutaral (111-30-8)	
Persistence and degradability	Readily biodegradable. 90-100 % biodegradation. (28 days).

12.3. Bioaccumulative potential

ZEISS Lens Wipes	
Bioaccumulative potential	No additional information available

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12.4. Mobility in soil

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Mobility in soil	No additional information available
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12.5. Other adverse affects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal consideration

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not discharge the product into the environment.
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SECTION 14: Transport information

14.1 UN Number

Not regulated for transport

14.2 Un proper shipping name

Proper Shipping Name (UN RTDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3 Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG)	: Not applicable
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IMDG

Transport hazard class(es) (IMDG)	: Not applicable
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IATA

Transport hazard class(es) (IATA)	: Not applicable
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14.4 Packing group

Packing group (UN RTDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5 Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6 Special precautions for user

- UN RTDG

No data available

- IMDG

No data available

- IATA

No data available

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1 National regulations

Glutaral (111-30-8)

Priority Chemical List DENR Administrative Order 2005-27	: Priority Chemical List
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15.2 International regulations

No additional information available

SECTION 16: Other information

Data sources	: SDS of suppliers/nECHA - European Chemicals Agency
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SDS Philippines	